

SECRET

August 1979

COMMUNICATIONS SECURITY SUPPORT FOR  
INFORMATION PROCESSING EQUIPMENT LOCATED OVERSEAS

1. This paper seeks to make gross estimates of the resource impact on the COMSEC Division in providing security support for Agency information processing facilities abroad. The estimates do not reflect:

a. Security support to [ ] information processing facilities.

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b. Money and manpower requirements to provide engineering and maintenance support to information processing facilities.

c. The cost of controlled shipping of information processors.

d. The cost of renovations required to bring information processing facilities up to the requisite level of physical security.

e. The cost of alarm systems.

f. Inflationary factors. [ ]

25X1

2. The estimates take into account two systems: The Clandestine Records Application Field Terminal (CRAFT) and the Class A Station System - Automated (CLASS A). CRAFT provides DDO elements at Headquarters and in the foreign [ ] field with a word processing and digital storage and retrieval capability. CLASS A is an automated system for field financial accounting and reporting. Both systems are expected to eventually be used as on-line devices in that they will communicate with information processors at Headquarters in real time using the OC backbone communications network. Initially, however, both systems will be used as stand-alone processors. [ ]

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3. Based on recent decisions with the Office of Security's Information System Security Group, an enhanced level of physical security will have to be applied to information processing areas; cost considerations, therefore, argue for colocating both terminals in a single area. However, in view of the fact that the two systems are not related and they serve two separate elements of the station, we have, for the purpose of this paper, used the worst case premise that the two systems will be housed in different areas.

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4. [ ] foreign field facilities have been earmarked to receive CLASS A terminals. At this time the stations which will receive a CRAFT terminal have not been identified, however, for estimative purposes, this paper uses a figure [ ] CRAFT terminals. [ ]

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5. We can tentatively identify these nonrecurring start-up costs and manpower requirements to support [ ] CRAFT and [ ] CLASS A terminals:

25

a. Manpower

- (1) Write and promulgate standards - 1 man-month
- (2) Laboratory TEMPEST testing of CRAFT and CLASS A systems - 8 man-months(1)
- (3) Pre-installation surveys and preparation of installation packages (0.5 man-months per terminal). -11 man-months(2)

TOTAL 20 man-months

b. Money (All amounts are exclusive of personnel salaries.)

- (1) Travel expenses for pre-installation surveys.
- (2) Procure field TEMPEST test equipment (three sets at [ ])

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TOTAL [ ]

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6. We can tentatively identify these annual costs and manpower demands to support [ ] CLASS A terminals:

25

a. Manpower

(1) Field TEMPEST testing program  
(Assuming a test of each  
terminal [ ]

man-years

25

25

(2) Headquarters management and  
coordination of field test  
program.

man-years

TOTAL

man-years

b. Money (Exclusive of personnel  
salaries.)

Field TEMPEST testing travel  
expenses. (We are forecasting  
two weeks of testing per  
terminal.) [ ]

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TOTAL

NOTES: (1) This testing could be contracted out to a commercial  
firm at an approximate cost of [ ] increasing  
para 5.b total [ ]

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(2) Pre-installation surveys would be performed by  
OC and OS personnel. The estimated cost is  
\$7,000 per man per six week trip (during which  
surveys for 6 terminals will be performed).  
The figures cited should be doubled to arrive  
at the total Agency commitment.

25X

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ROUTING AND RECORD SHEET

DDA Registry  
Communications

SUBJECT: (Optional)

DDA 79-3043

Support for Overseas Information Processing Systems

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| FROM:  |          | EXTENSION   | NO.   |
|--|----------|-------------|---|
| 25X1 D/CO  |          |             | OC M19-1637   |
| 25X1   |          |             | DATE 21 SEP 1979  |
| TO: (Officer designation, room number, and building) | DATE     |             | OFFICER'S INITIALS  |
|  | RECEIVED | FORWARDED   |   |
| 1. EXO/DDA<br>ADDA<br>7D18 HQS                       |          | 15 OCT 1979 | 1-3<br>Bill - Thanks for the info. I hope that you have provided this kind of info to the people who are planning CRAPT and Class Accounting overseas. Before we get totally committed, they should be aware of the entire picture including the support described in your study. Also - isn't there a software support task that should be listed in para 2? |
| 2.   |          |             |   |
| 3. D/OC  |          |             |   |
| 4.   |          |             |   |
| 5.   |          |             |   |
| 6.   |          |             |   |
| 7.   |          |             |   |
| 8.   |          |             |   |
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Clifford D. May, Jr.  
Associate Deputy Director  
for  
Administration

15 October 1979

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